

AMENDMENTS TO THE CLAIMS:

This listing of claims will replace all prior versions and listings of claims in the above-referenced application.

Listing of Claims:

1. (Currently amended) A mobile communication terminal, comprising:

first memory means and second memory means for storing data;

an operating system arranged to access data stored in said first memory means;

an application execution environment that is executable executed on said operating system and that executes a platform-independent application, said platform-independent application having access to data stored in said second memory means;

detection means for detecting at least one of: position, direction, attitude and movement of the mobile communication terminal along at least one axis of a coordinate system, the detection means being controlled using the operating system;

memory process means for performing a memory process to store detection result data acquired based on detection results by said detection means in said first memory means, wherein the detection result data includes information concerning changes to the at least one of: position, direction, attitude and movement of the mobile communication terminal along the at least one axis; and

data transfer means for transferring the detection result data stored in said first memory means to said second memory means, according to a data transfer instruction from said application execution environment,

wherein said application execution environment executes said platform-independent application using the detection result data stored in said second memory means.

2. (Previously presented) A mobile communication terminal according to claim 1, wherein said application execution environment has an instruction set for generating said data transfer instruction according to description in said platform-independent application.

3. (Previously presented) A non-transitory computer readable medium storing an application program, the application program characterized in that a computer in said mobile communication terminal according to claim 2 works so that the application execution environment generates said data transfer instruction using said instruction set, by being executed by said application execution environment.

4. (Currently amended) A mobile communication terminal, comprising:

a first memory and a second memory for storing data;

an operating system arranged to access data stored in said first memory;

an application execution environment that is executable executed on said operating system and that executes a platform-independent application, said platform-independent application having access to data stored in said second memory;

a 3-axis magnetic sensor and a 2-axis acceleration sensor used as sensors for detecting at least one of position, direction, attitude and movement of the mobile communication terminal in connection with at least one axis of a coordinate system in accordance with a detection instruction generated by said application execution environment according to a description of said platform-independent application, the sensors being controlled using the operating system;
and

a memory processor that stores detection result data acquired based on detection results by said sensors in said first memory, wherein the detection results include information concerning changes to the at least one of position, direction, attitude and movement of the mobile communication terminal in connection with the at least one axis; and

a data transfer device that transfers the detection result data stored in the first memory to the second memory according to a data transfer instruction from the application execution environment, wherein said application execution environment executes said platform-independent application using the detection result data stored in said second memory.

5. (Currently amended) A mobile communication terminal, comprising:

an operating system arranged to access data stored in a first memory;

an application execution environment that is ~~executable~~ executed on said operating system and that executes a platform-independent application, said platform-independent application having access to data stored in a second memory;

a detection device that detects at least one of position, direction, attitude and movement of said mobile communication terminal in connection with at least one axis of a coordinate system, the detection device being controlled using the operating system; and

a data processor that performs a data process of assigning the detection data of said detection device to predetermined arithmetic expression for calculation and storing the calculation result data in said first memory, wherein the detection data includes information concerning changes to the at least one of position, direction, attitude and movement of the mobile communication terminal in connection with the at least one axis; and

a data transfer device that transfers the calculation result data stored in the first memory to the second memory according to a data transfer instruction from the application execution environment, wherein said application execution environment executes the platform-independent application using the calculation result data stored in said second memory.

6. (Currently amended) A mobile communication terminal, comprising:

an operating system arranged to access data stored in a first memory;

an application execution environment that is ~~executable~~ executed on said operating system and that executes a platform-independent application, said platform-independent application having access to data stored in a second memory;

a detection device that detects at least one of position, direction, attitude and movement of said mobile communication terminal in connection with at least one axis of a coordinate system, the detection device being controlled using the operating system; and

a data processor that performs data processes of linking mutually between detection data of said detection device or data calculated from this detection data and other data acquired by other than said detection device, and storing the linked data in said first memory, wherein the detection data includes information concerning changes to the at least one of position, direction, attitude and movement of the mobile communication terminal in connection with the at least one axis; and

a data transfer device that transfers the linked data stored in the first memory to the second memory according to a data transfer instruction from the application execution environment, wherein said application execution environment executes the platform-independent application using said linked data stored in said second memory.

7. (Currently amended) A mobile communication terminal, comprising:

an operating system arranged to access data stored in a first memory;

an application execution environment that is ~~executable~~ executed on said operating system and that executes a platform-independent application, said platform-independent application having access to data stored in a second memory;

a detection device that detects at least one of position, direction, attitude and movement of said mobile communication terminal in connection with at least one axis of a coordinate system, the detection device being controlled using the operating system; and

a data processor that performs a data process of specifying at least ~~two~~ one of: detection data of said detection device or data calculated from the detection data, which meet predetermined conditions, and storing the specified data in said first memory, wherein the detection data includes information concerning changes to the at least one of: position, direction, attitude and movement of the mobile communication terminal in connection with the at least one axis;[[,]] and

a data transfer device that transfers the specified data stored in the first memory to the second memory according to a data transfer instruction from the application execution environment, wherein said application execution environment executes the platform-independent application using said specified data stored in said second memory.

8. (Previously presented) A mobile communication terminal according to claim 5, 6 or 7, further comprising:

a radio communication device that communicates by wireless communication utilizing radio waves; and

a radio wave strength confirmation device that confirms strength of the radio waves utilized by said radio communication device at specified time intervals;

wherein said data processor is used as at least one part of said radio wave strength confirmation device and performs said data process when confirming radio wave strength.

9. (Previously presented) A mobile communication terminal according to claim 4, 5, 6, or 7 wherein said detection device includes an angle detection device that detects an angle against the standard angle around a virtual axis leading to a specified direction.

10. (Previously presented) A mobile communication terminal according to claim 4, 5, 6, or 7, wherein said detection device includes an acceleration detection device that detects acceleration toward a specified direction working on said mobile communication terminal.

11. (Currently amended) A mobile communication terminal, comprising:

a first memory and a second memory for storing data;

an operating system arranged to access data stored in the first memory;

an application execution environment that is executable executed on the operating system and that executes a platform-independent application, data stored in the second memory;

at least one sensor that detects at least one of position, direction, attitude and movement of the mobile communication terminal along at least one axis of a coordinate system, the at least one sensor being controlled using the operating system;

a memory processor that performs a memory process to store, in the first memory, detection result data determined based on detection results by the at least one sensor, wherein the detection result data includes information concerning changes to the at least one of position, direction, attitude and movement of the mobile communication terminal in connection with the at least one axis; and

a data transfer device that transfers the detection result data stored in the first memory to the second memory, according to a data transfer instruction from the application execution environment, wherein the application execution environment executes the platform-independent application using the detection result data stored in the second memory.

12. (Previously presented) The mobile communication terminal according to claim 11, wherein the application execution environment is executed using a processor that is the same as the memory processor.

13. (Previously presented) The mobile communication terminal according to claim 11, wherein the first memory and the second memory are different memory locations on a memory device.

14. (Previously presented) The mobile communication terminal according to claim 11, wherein the at least one sensor includes at least one of: a magnetic sensor and an acceleration sensor.

15. (Previously presented) The mobile communication terminal according to claim 14, wherein the at least one sensor includes a geomagnetic sensor.

16. (Previously presented) The mobile communication terminal according to claim 11, wherein the coordinate system includes a spatial three-axis coordinate system.

17. (Previously presented) The mobile communication terminal according to claim 11, wherein execution of the platform-independent application using the detection result data includes displaying an action on a display of the mobile communication terminal that corresponds to a change in the at least one of position, direction, attitude and movement of the mobile communication terminal.

18. (Previously presented) The mobile communication terminal according to claim 11, wherein execution of the platform-independent application using the detection result data includes causing at least a portion of the platform-independent application to stop executing in response to a change in the at least one of position, direction, attitude and movement of the mobile communication terminal.

19. (Previously presented) The mobile communication terminal according to claim 1, wherein said detection means includes angle detection means for detecting an angle against the standard angle around a virtual axis leading to a specified direction.

20. (Previously presented) The mobile communication terminal according to claim 1, wherein said detection means includes acceleration detection means for detecting acceleration toward a specified direction working on said mobile communication terminal.